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# Declaration, Power of Attorney and Petition

WE (I) the undersigned inventor(s), hereby declare(s) that:

My residence, post office address and citizenship are as stated below next to my name,

We (I) believe that we are (I am) the original, first, and joint (sole) inventor(s) of the subject matter which is claimed and for which a patent is sought on the invention entitled

## X-RAY DETECTOR AND METHOD OF FABRICATING THEREFORE

the specification of which

☐ is attached hereto.

☒ was filed on **March 12, 2002**  
as Application No. **10/095,105**  
and amended on \_\_\_\_\_

☐ was filed as PCT international application

Number

on

and was amended under PCT Article 19

on

(if applicable).

We (I) hereby state that we (I) have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

We (I) acknowledge the duty to disclose information known to be material to the patentability of this application as defined in Section 1.56 of Title 37 Code of Federal Regulations.

We (I) hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed. Prior Foreign Application(s)

Application No.	Country	Day/Month/Year	Priority Claimed			
2001-12721	Korea	12 March 2001	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
2002-00160	Korea	3 January 2002	<input checked="" type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No
			<input type="checkbox"/>	Yes	<input type="checkbox"/>	No

We (I) hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

(Application Number)

(Filing Date)

We (I) hereby claim the benefit under 35 U.S.C. §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

Application Serial No.	Filing Date	Status (pending, patented, abandoned)

And we (I) hereby appoint Song K. Jung, Reg. No. 35,210; John M. Kelly, Reg. No. 33,920; Rebecca A. Goldman, Reg. No. 41,786 and Teresa M. Arroyo, Reg. No. 50,015 as our (my) attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent Office connected therewith; and we (I) hereby request that all correspondence regarding this application be sent to Song K. Jung of Long Aldridge & Norman LLP, Attorneys At Law, 6<sup>th</sup> Floor, 701 Pennsylvania Avenue, N.W., Washington, D.C. 20004.

We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**Kyo-Seop CHOO**

NAME OF FIRST INVENTOR

*KS CHOO*

Signature of Inventor

Date

*May 1 2002*

Residence: 501/201 Geumbong 4cha

149-6, Hwangsamg-dong, Gumi-si,

Gyeongsangbuk-do, 730-932 Republic of Korea

Citizen of: KOREA

Post Office Address: SAME AS ABOVE

**June-Ho PARK**

NAME OF SECOND INVENTOR

Signature of Inventor

Date

Residence: B-dong 615-ho, LG. Philips LCD  
Dormitory

Dongnakwon, 401-3 Beonji, Imsu-dong, Gumi-si,

Gyeongsangbuk-do, 730-350, Republic of Korea

Citizen of: KOREA

Post Office Address: SAME AS ABOVE

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(Application Number)

(Filing Date)

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We (I) declare that all statements made herein of our (my) own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

**Kyo-Seop CHOO**

NAME OF FIRST INVENTOR

Signature of Inventor

Date

Residence: 501/201 Geumbong 4cha

149-6, Hwangsamg-dong, Gumi-si,

Gyeongsangbuk-do, 730-932 Republic of Korea

Citizen of: KOREA

Post Office Address: SAME AS ABOVE

**June-Ho PARK**

NAME OF SECOND INVENTOR

Signature of Inventor

Date

Residence: B-dong 615-ho, LG. Philips LCD  
Dormitory

Dongnakwon, 401-3 Beonji, Imsu-dong, Gumi-si,

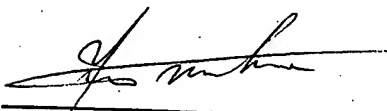
Gyeongsangbuk-do, 730-350, Republic of Korea

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Myung Ho You

NAME OF SECOND INVENTOR



Signature of Inventor

17. May. 2002

Date

Residence: 501-911 HwangsangKumbongtown,  
Hwangsang-dong, Gumi-si, Gyeongsangbuk-do,  
730-783, Republic of Korea

Citizen of: KOREA

Post Office Address: SAME AS ABOVE



UNITED STATES  
PATENT AND  
TRADEMARK OFFICE

AUGUST 16, 2002

PTAS

Under Secretary of Commerce For Intellectual Property and  
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MCKENNA LONG & ALDRIDGE LLP  
SONG K. JUNG  
1900 K STREET, NW  
WASHINGTON, D.C. 20006



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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 06/11/2002

REEL/FRAME: 012989/0495  
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CHOO, KYO-SEOP

DOC DATE: 05/01/2002

ASSIGNOR:

PARK, JUNE H.

DOC DATE: 05/07/2002

ASSIGNOR:

YOU, MYUNG H.

DOC DATE: 05/07/2002

ASSIGNEE:

LG.PHILIPS LCD CO., LTD  
20 YOIDO-DONG  
YOUNGDUNGPO-KU  
SEOUL, REPUBLIC OF KOREA

SERIAL NUMBER: 10095105  
PATENT NUMBER:

FILING DATE: 03/12/2002  
ISSUE DATE:

012989/0495 PAGE 2

PAULA MCCRAY, EXAMINER  
ASSIGNMENT DIVISION  
OFFICE OF PUBLIC RECORDS



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OMB No. 0651-0027 (exp. 5/31/2002)

06-19-2002

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office



102126856

Final documents or copy thereof

To the Honorable Commissioner of Patent

1. Name of conveying party(ies):

Kyo-Seop Choo (May 1, 2002), June H. Park (May 7, 2002), and Myung H. You (May 7, 2002)

6-11-02

Additional name(s) of conveying party(ies) attached?

☐ Yes ☒ No

3. Nature of Conveyance:

☒ Assignment ☐ Merger  
☐ Security Agreement ☐ Change of Name  
☐ Other

Execution Date: see Box 1, conveying parties

2. Name and address of receiving party(ies)

Name: LG.Philips LCD Co., LTD

Internal Address:

Street Address:

20  
Yoido-Dong  
Youngdungpo-Ku

City: Seoul

State: Korea, Republic of

Zip:

Additional name(s) & address(es) attached:

☐ Yes ☒ No

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the new application is:

A. Patent Application No.(s):

10/095,105

B. Patent No.(s):

Additional numbers attached?

☐ Yes ☒ No

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Song K. Jung  
MCKENNA LONG & ALDRIDGE LLP  
Internal Address: Atty. Dkt.: 8733.585.00-US  
Street Address: 1900 K Street, N.W.

City:  
Washington

State: DC Zip: 20006

6. Total number of applications and patents involved:

1

7. Total fee (37 CFR 3.41)

\$ 40.00

☒ Enclosed

☐ Authorized to be charged to deposit account

8. Deposit account number:

50-0911

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

William D. Titcomb  
Name of Person Signing

Signature

June 11, 2002  
Date

Total number of pages including cover sheet, attachments, and documents:

4

06/14/2002 EAREGAY1 00000046 10095105

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40.00 OP

## Assignment of Application

WHEREAS, I (WE), Kyo Seop CHOO, June Ho PARK and Myung Ho You, have invented certain new and useful improvements in **X-RAY DETECTOR AND METHOD OF FABRICATING THEREFORE** for which an application for Letters Patent was executed on (Application No. 10/095,105, filed March 12, 2002), and

WHEREAS, **LG. Philips LCD Co., Ltd.** (hereinafter referred to as "ASSIGNEE") having a place of business at 20 Yoido-dong, Youngdungpo-ku, Seoul, KOREA

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and Its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behalf of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letters Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Long Aldridge & Norman LLP, Attorneys at Law, 6<sup>th</sup> Floor, 701 Pennsylvania Avenue, N.W., Washington, D.C. 20004 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: May 1 2002 KS CHOO  
(Signature of Inventor)  
Kyo-Seop CHOO

Date: \_\_\_\_\_  
(Signature of Inventor)  
June-Ho PARK

Date: \_\_\_\_\_  
(Signature of Inventor)  
Myung Ho YOU

**Long Aldridge & Norman LLP**  
Attorneys At Law  
6<sup>th</sup> Floor, 701 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004

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Date: \_\_\_\_\_

\_\_\_\_\_  
(Signature of Inventor)  
Kyo-Seop CHOO

Date: 7 May 2002

June-Ho Park  
\_\_\_\_\_  
(Signature of Inventor)  
June-Ho PARK

Date: 7 May 2002

Myung Ho YOU  
\_\_\_\_\_  
(Signature of Inventor)  
Myung Ho YOU

**Long Aldridge & Norman LLP**  
Attorneys At Law  
6<sup>th</sup> Floor, 701 Pennsylvania Avenue, N.W.  
Washington, D.C. 20004